

MONTANA
REPEAT LOADOMETER SURVEY
1948

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REPEAT LOADOMETER SURVEY
CONDUCTED BY THE
MONTANA HIGHWAY DEPARTMENT
HIGHWAY PLANNING SURVEY
IN COOPERATION WITH
THE
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

Survey Conducted August, 1948
Report Submitted October, 1948



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MONTANA REPEAT LOADOMETER SURVEY

The Montana Highway Planning Survey conducted its annual Repeat Loadometer Survey from August 4 to August 31, 1948 at nineteen Loadometer Stations on the same days of the week and during the same hours as in former years.

We were unable to weigh at Station 58 near Glasgow due to road construction. Stations 50 and 57 were not operated in 1947 for the same reason so consequently we can compare only seventeen stations for the two years.

The instructions received in Mr. Fairbank's memorandum of June 23 have been closely followed in obtaining the field data and in preparing the revised Tables 1 to 6 inclusive. No comparison by number of axles on combinations was possible this year due to the fact that these units were not manually counted in this manner in 1947.

STATE OF MONTANA

LOCATION AND TIME OF OPERATION OF EACH LOADOMETER STATION, SHOWING NUMBER OF VEHICLES COUNTED AND

WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948 COMPARED TO CORRESPONDING DATA FOR 1947.

STATION NO.	ROUTE NO.	DESCRIPTION OF STATION LOCATION	YEAR	MONTH & DAY	DAY OF WEEK	HOURS	VEHICLES COUNTED													TRUCKS & COMBINATIONS WEIGHED											
							PASS. CARS		BUSES	SINGLE UNIT TRUCKS				TRACTOR SEMI-TR.			OTHER COMBINATIONS			SINGLE UNITS				TRACTOR SEMI-TR.			OTHER COMBINATIONS				
							LOCAL	FOREIGN		PANEL & PICK-UP	OTHER 4-TIRED	OTHER 6-TIRED	3-AXLE	3-AXLE	4-AXLE	5-AXLE OR MORE	4-AXLE OR LESS	5-AXLE	6-AXLE OR MORE	PANEL & PICK-UP	OTHER 4-TIRED	OTHER 6-TIRED	3-AXLE	3-AXLE	4-AXLE	5-AXLE OR MORE	4-AXLE OR LESS	5-AXLE	6-AXLE OR MORE		
7	US 10 93	Southeast Leg of Jct. US 10 & 93 West of Missoula	1948	8-6	Fri	2P-10P	523	668	15	102	4	64	8	7	2	9	1	3	5	55	4	64	8	7	2	7	1	3	5		
			1947	8-1	Fri	2P-10P	567	511	10	97	18	102	6	24*			4*			52	7	80	3	7	5	3	-	-	4		
9	US 10	West leg of Jct. US 10 & 10A in Drummond	1948	8-5	Thu	6A-2P	341	640	7	82	4	67	5	9	4	4	2	-	3	35	4	49	5	9	4	4	2	-	3		
			1947	7-31	Thu	6A-2P	365	600	9	93	10	50	9	16*			7*			28	4	36	5	7	5	1	2	-	4		
11	US 10 91	East leg of Jct. US 10 & 91 West of Butte	1948	8-10	Tue	6A-2P	660	612	15	118	6	85	2	5	3	3	-	1	3	99	6	79	2	5	3	3	-	1	3		
			1947	8-5	Tue	6A-2P	675	521	14	128	6	72	6	24*			10*			87	7	59	6	10	9	2	-	4	5		
13	US 91	South leg of Jct. US 91 & Mont. 41 North of Dillon	1948	8-9	Mon	2P-10P	434	173	3	119	4	36	1	2	2	3	-	3	-	92	4	31	1	2	2	3	-	3	-		
			1947	8-4	Mon	2P-10P	411	124	2	126	4	31	4	7*			2*			120	1	29	4	1	4	5	-	-	2		
17	US 10S	West leg of Jct. US 10S & Mont. 41 West of Whitehall	1948	8-11	Wed	2P-10P	252	386	4	54	4	20	3	4	1	6	1	-	2	45	4	19	3	4	1	6	1	-	2		
			1947	8-6	Wed	2P-10P	268	359	5	48	4	12	4	7*			2*			42	1	13	4	5	-	3	-	-	2		
30	US 12 310	North leg of Jct. US 12 & 310 near Rockvale	1948	8-18	Wed	6A-2P	348	378	5	54	2	60	-	12	3	3	6	1	-	48	-	50	-	12	3	3	6	1	-		
			1947	8-13	Wed	6A-2P	368	311	9	65	2	64	3	15*			9*			46	1	59	3	8	6	1	7	1	-		
36	US 89 91	On US 89 & 91 Approx. 1.1 miles West of Great Falls	1948	8-27	Fri	6A-2P	555	251	6	66	1	65	10	6	3	4	3	2	1	49	-	65	8	6	3	4	3	2	1		
			1947	8-22	Fri	6A-2P	545	166	3	151	3	95	12	29*			5*			118	2	89	13	20	7	1	3	-	1		
41	US 10 12	Southwest leg of Jct. US 10 & 12 East of Miles City	1948	8-19	Thu	6A-2P	247	308	9	70	4	39	-	6	3	1	12	3	4	59	1	34	-	6	2	1	12	3	4		
			1947	8-14	Thu	6A-2P	223	268	5	70	4	66	5	18*			14*			46	2	50	3	7	7	3	8	2	5		
43	US 10 18	East leg of Jct. US 10 & Mont. 18 West of Glendive	1948	8-20	Fri	2P-10P	352	309	5	70	2	57	1	2	7	2	3	2	3	57	2	50	1	1	7	2	3	2	3		
			1947	8-15	Fri	2P-10P	361	269	6	81	7	56	1	9*			5*			63	5	56	1	5	4	-	2	1	2		

STATE OF MONTANA

LOCATION AND TIME OF OPERATION OF EACH LOADOMETER STATION, SHOWING NUMBER OF VEHICLES COUNTED AND
WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948 COMPARED TO CORRESPONDING DATA FOR 1947.

STATION NO.	ROUTE NO.	DESCRIPTION OF STATION LOCATION	YEAR	MONTH & DAY	DAY OF WEEK	HOURS	VEHICLES COUNTED													TRUCKS & COMBINATIONS WEIGHED											
							PASS. CARS		BUSES	SINGLE UNIT TRUCKS				TRACTOR SEMI-TR.			OTHER COMBINATIONS			SINGLE UNITS				TRACTOR SEMI-TR.				OTHER COMBINATIONS			
							LOCAL	FOREIGN		PANEL & PICK-UP	OTHER 4-TIRED	OTHER 6-TIRED	3-AXLE	3-AXLE	4-AXLE	5-AXLE OR MORE	4-AXLE OR LESS	5-AXLE	6-AXLE OR MORE	PANEL & PICK-UP	OTHER 4-TIRED	OTHER 6-TIRED	3-AXLE	3-AXLE	4-AXLE	5-AXLE OR MORE	4-AXLE OR LESS	5-AXLE	6-AXLE OR MORE		
45	US 2	East leg of Jct. 2 & Mont. 16 at Culbertson	1948	8-23	Mon	6A-2P	138	223	1	52	-	42	1	5	3	-	-	-	-	51	-	41	1	5	3	-	-	-	-	-	
			1947	8-18	Mon	6A-2P	119	171	2	53	2	56		6*			1*			47	-	43	-	4	2	-	-	1	-	-	
50	US 87	On US 87 Approx. 4.0 miles North of Great Falls	1948	8-31	Tue	6A-2P	225	75	1	55	4	65	-	1	3	2	-	-	-	44	2	62	-	1	3	2	-	-	-	-	
			1947			Not weighed road				under construction.																					
51	US 87 & 89	East leg of Jct. US 87 & 89 & 10th Ave. South near Great Falls	1948	8-30	Mon	6A-2P	573	136	4	74	2	41	1	6	4	-	2	1	2	60	-	37	1	6	4	-	2	1	2		
			1947	8-25	Mon	6A-2P	423	119	4	88	2	59		7*			5*			62	1	55	1	3	2	2	-	3	1		
53	US 87	South leg of Jct. US 87 & Mont. 18 near Grass Range	1948	8-16	Mon	2P-10P	143	74	3	26	3	43	1	3	2	1	1	-	1	21	2	42	1	3	2	1	1	-	1		
			1947	8-11	Mon	2P-10P	128	68	2	31		29		11*			1*			21	-	25	-	5	2	-	1	-	-		
54	US 10 & 87	On US 10 & 87 Approx. 0.5 mile North of Billings	1948	8-13	Fri	2P-10P	638	377	6	87	1	90	4	6	6	4	22	9	1	83	-	85	4	6	6	4	22	9	1		
			1947	8-8	Fri	2P-10P	583	303	8	113	13	110	1	45*			37*			122	1	100	6	15	20	7	12	1	6		
55	US 10 & 91	West leg of Jct. US 10 & 91 East of Helena	1948	8-4	Wed	6A-2P	664	288	18	110	9	93	7	6	2	3	2	-	2	91	4	89	7	6	2	2	2	-	2		
			1947	7-30	Wed	6A-2P	590	321	23	140	9	71	3	14*			6*			74	4	70	3	10	1	1	1	1	3		
56	US 10	West leg of Jct. US 10 & 89 West of Livingston	1948	8-12	Thu	2P-10P	279	327	6	32	-	34	1	6	4	2	3	2	2	24	-	32	1	6	4	2	3	2	2		
			1947	8-7	Thu	2P-10P	281	273	8	59	4	28	3	17*			7*			45	2	25	4	3	11	3	2	1	3		
57	US 10	On US 10 West of Laurel	1948	8-17	Tue	2P-10P	437	270	5	60	-	43	1	8	7	5	8	4	3	57	-	42	1	8	6	5	8	4	3		
			1947			Not weighed road				under construction.																					
58	US 2	On US 2 West of Glasgow	1948			Not weighed road				under construction.																					
			1947	8-19	Tue	6A-2P	153	257	-	61	1	33	1	5*						54	1	32	1	2	2	-	-	-	-		

STATE OF MONTANA

LOCATION AND TIME OF OPERATION OF EACH LOADOMETER STATION, SHOWING NUMBER OF VEHICLES COUNTED AND WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948 COMPARED TO CORRESPONDING DATA FOR 1947.

[illegible]

TABLE W-2

STATE OF MONTANA

NUMBER AND PERCENTAGE OF VEHICLES OF EACH TYPE COUNTED AT 17 LOADOMETER STATIONS DURING THE

PERIOD FROM AUGUST 4 TO AUGUST 31, 1948 COMPARED TO CORRESPONDING DATA FOR 1947.

TYPE OF VEHICLE	NUMBER COUNTED DURING PERIOD			PERCENTAGE OF TOTAL NUMBER OF VEHICLES			PERCENTAGE OF TOTAL NUMBER OF TRUCKS AND COMBINATIONS			TRUCKS AND COMBINATIONS WEIGHED		PERCENTAGE WEIGHED BY TOTAL COUNTED BY TYPE	
	1948	1947	1948:1947	1948	1947	1948:1947	1948	1947	1948:1947	1948	1947	1948	1947
PASSENGER CARS													
LOCAL -----	6782	6378	1.063	45.02	45.00	1.001	-----	-----	-----	-----	-----	-----	-----
FOREIGN -----	5518	4739	1.164	36.63	33.43	1.096	-----	-----	-----	-----	-----	-----	-----
SUBTOTAL PASSENGER CARS -----	12300	11117	1.106	81.65	78.43	1.041	-----	-----	-----	-----	-----	-----	-----
TRUCKS, SINGLE-UNIT													
PANEL AND PICKUP (UNDER 1½ TONS) -	1292	1445	0.894	8.58	10.19	0.842	48.77	49.08	0.994	974	1054	75.39	72.94
OTHER 2 AXLE, 4-TIRED -----	52	89	0.584	0.35	0.63	0.556	1.96	3.02	0.649	31	38	59.62	42.70
OTHER 2 AXLE, 6-TIRED -----	933	962	0.970	6.19	6.79	0.912	35.22	32.68	1.078	821	820	88.00	85.24
3 AXLE -----	51	61	0.836	0.34	0.43	0.791	1.93	2.07	0.932	49	58	96.08	95.08
SUBTOTAL SINGLE-UNIT-----	2328	2557	0.910	15.46	18.04	0.857	87.88	86.85	1.012	1875	1970	80.54	77.04
TRACTOR-SEMITRAILER COMBINATIONS													
3 AXLE -----	91	*	*	0.60	*	*	3.44	*	*	90	114	98.90	*
4 AXLE -----	56	*	*	0.37	*	*	2.11	*	*	55	89	98.21	*
5 AXLE OR MORE -----	48	*	*	0.32	*	*	1.81	*	*	44	32	91.67	*
SUBTOTAL TRACTOR-SEMITRAILER COMBINATIONS	195	262	0.744	1.29	1.85	0.697	7.36	8.90	0.827	189	235	96.92	89.69
COMBINATIONS INVOLVING FULL TRAILERS													
4 AXLE (1) -----	60	*	*	0.40	*	*	2.27	*	*	60	38	100.00	*
5 AXLE -----	35	*	*	0.23	*	*	1.32	*	*	35	24	100.00	*
6 AXLE OR MORE -----	31	*	*	0.21	*	*	1.17	*	*	31	38	100.00	*
SUBTOTAL TRUCK-TRAILER COMBINATIONS	126	125	1.008	0.84	0.88	0.955	4.76	4.25	1.120	126	100	100.00	80.00
SUBTOTAL ALL COMBINATIONS -----	321	387	0.829	2.13	2.73	0.780	12.12	13.15	0.922	315	335	98.13	86.56
SUBTOTAL TRUCKS AND COMBINATIONS	2649	2944	0.900	17.59	20.77	0.847	100.00	100.00	1.000	2190	2305	82.67	78.29
BUSSES -----	114	113	1.009	0.76	0.80	0.950	-----	-----	-----	-----	-----	-----	-----
TOTAL VEHICLES -----	15063	14174	1.063	100.00	100.00	1.000	-----	-----	-----	-----	-----	-----	-----

* NO AXLE CLASSIFICATION AVAILABLE ON COMBINATIONS

PERCENTAGES LOADED AND EMPTY AND AVERAGE TOTAL WEIGHTS, AVERAGE EMPTY WEIGHTS AND AVERAGE MAXIMUM AXLE LOAD OF TRUCKS AND COMBINATIONS OF EACH TYPE AT 17 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948 COMPARED TO CORRESPONDING DATA FOR 1947.

VEHICLE TYPE AND SURVEY YEAR	LOADED & EMPTY VEHICLES		LOADED VEHICLES				EMPTY VEHICLES		
	PERCENTAGE DISTRIBUTION BY TYPE	AVERAGE TOTAL WEIGHT	PERCENT OF TOTAL LOADED AND EMPTY OF EACH TYPE	PERCENTAGE DISTRIBUTION BY TYPE	AVERAGE LOADED WEIGHT	AVERAGE MAXIMUM AXLE LOAD	PERCENT OF TOTAL LOADED AND EMPTY OF EACH TYPE	PERCENTAGE DISTRIBUTION BY TYPE	AVERAGE EMPTY WEIGHT
SINGLE-UNIT TRUCKS, (UNDER $1\frac{1}{2}$ TONS CAPACITY)									
YEAR 1948 -----	48.77	3468	10.42	15.05	4734	2992	89.58	66.04	3321
YEAR 1947 -----	49.08	3459	6.05	12.00	5566	3630	93.95	61.37	3323
SINGLE-UNIT TRUCKS, OTHER 2 AXLE, 4-TIRED									
YEAR 1948 -----	1.96	5624	51.52	3.01	6853	4876	48.48	1.42	4319
YEAR 1947 -----	3.02	5864	28.21	3.41	8664	5164	71.79	2.89	4764
SINGLE-UNIT TRUCKS, OTHER 2 AXLE, 6-TIRED									
YEAR 1948 -----	35.22	9892	54.57	56.75	13222	9985	45.53	24.26	5909
YEAR 1947 -----	32.68	8445	40.02	52.53	12121	8869	59.98	26.10	5991
SINGLE-UNIT TRUCK, 3 AXLE									
YEAR 1948 -----	1.93	19324	58.70	3.34	24296	10000	41.30	1.20	12258
YEAR 1947 -----	2.07	18222	50.85	4.23	23967	11167	49.15	1.36	12279
SUBTOTAL, SINGLE-UNIT TRUCKS									
YEAR 1948 -----	87.88	6438	30.09	78.15	8458	5990	69.91	92.92	4575
YEAR 1947 -----	86.85	5772	20.68	72.17	8580	5835	79.32	91.72	4591
TRACTOR-SEMITRAILER, 3 AXLE									
YEAR 1948 -----	3.44	21357	55.56	5.57	27980	12402	44.44	2.34	13077
YEAR 1947 -----	*	*	*	*	*	*	*	*	*
TRACTOR-SEMITRAILER, 4 AXLE									
YEAR 1948 -----	2.11	32811	70.77	4.46	39480	13954	29.23	0.91	16663
YEAR 1947 -----	*	*	*	*	*	*	*	*	*
TRACTOR-SEMITRAILER, 5 AXLE OR MORE									
YEAR 1948 -----	1.81	42438	70.00	3.79	51471	12657	30.00	0.80	28027
YEAR 1947 -----	*	*	*	*	*	*	*	*	*
SUBTOTAL, TRACTOR-SEMITRAILER COMBINATIONS									
YEAR 1948 -----	7.36	29834	63.49	13.82	37064	12910	36.51	4.05	17786
YEAR 1947 -----	8.90	26127	48.73	17.46	34683	12364	51.27	6.06	17995

(CONTINUED ON PAGE 2)

PERCENTAGES LOADED AND EMPTY AND AVERAGE TOTAL WEIGHTS, AVERAGE EMPTY WEIGHTS AND AVERAGE MAXIMUM AXLE LOAD OF TRUCKS AND COMBINATIONS OF EACH TYPE AT 17 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948 COMPARED TO CORRESPONDING DATA FOR 1947.

VEHICLE TYPE AND SURVEY YEAR	LOADED & EMPTY VEHICLES		LOADED VEHICLES				EMPTY VEHICLES		
	PERCENTAGE DISTRIBUTION BY TYPE	AVERAGE TOTAL WEIGHT	PERCENT OF TOTAL LOADED AND EMPTY OF EACH TYPE	PERCENTAGE DISTRIBUTION BY TYPE	AVERAGE LOADED WEIGHT	AVERAGE MAXIMUM AXLE LOAD	PERCENT OF TOTAL LOADED AND EMPTY OF EACH TYPE	PERCENTAGE DISTRIBUTION BY TYPE	AVERAGE EMPTY WEIGHT
COMBINATIONS INVOLVING FULL TRAILERS, 4 AXLE (1)									
YEAR 1948	2.27	30984	44.12	2.90	47827	14670	55.88	1.94	17687
YEAR 1947	*	*	*	*	*	*	*	*	*
COMBINATIONS INVOLVING FULL TRAILERS, 5 AXLE									
YEAR 1948	1.32	42164	64.10	2.45	52876	12852	35.90	0.69	23036
YEAR 1947	*	*	*	*	*	*	*	*	*
COMBINATIONS INVOLVING FULL TRAILERS, 6 AXLES OR MORE									
YEAR 1948	1.17	49968	76.47	2.68	55173	12204	23.53	0.40	33050
YEAR 1947	*	*	*	*	*	*	*	*	*
SUBTOTAL, TRUCK-TRAILER COMBINATIONS									
YEAR 1948	4.76	38765	57.63	8.03	51037	13558	42.37	3.03	22952
YEAR 1947	4.25	38491	61.00	10.37	46200	11366	39.00	2.22	26433
SUBTOTAL ALL COMBINATIONS									
YEAR 1948	12.12	33339	61.19	21.85	42548	13164	38.81	7.08	19814
YEAR 1947	13.15	30121	52.69	27.83	38403	12041	47.31	8.28	20721
TOTAL ALL TYPES									
YEAR 1948	100.00	9699	33.85	100.00	12590	6860	66.15	100.00	6423
YEAR 1947	100.00	8974	24.88	100.00	12502	6651	75.12	100.00	6712

* NO AXLE CLASSIFICATION AVAILABLE ON COMBINATIONS

(1) MAY INCLUDE COMBINATIONS OF TRUCK AND ONE AXLE (DOLLY) FULL TRAILERS.

NUMBER OF AXLE LOADS OF VARIOUS MAGNITUDES PER 100 LOADED AND EMPTY TRUCKS AND COMBINATIONS OF EACH TYPE AT 17
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948 COMPARED TO CORRESPONDING DATA FOR 1947.

AXLE LOAD IN POUNDS	SINGLE-UNIT TRUCKS										TRACTOR-SEMITRAILER COMBINATIONS							
	PANEL AND PICKUP UNDER 1½ TON		OTHER 2-AXLE 4-TIRED		OTHER 2-AXLE 6-TIRED		3-AXLE		ALL SINGLE-UNIT TRUCKS		3-AXLE		4-AXLE		5-AXLE (OR MORE)		ALL TRACTOR- SEMITRAILER COMBINATIONS	
	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947
UNDER - 8,000	200.00	199.73	196.97	197.44	161.47	178.38	204.35	225.42	184.59	192.26	202.03	*	210.77	*	210.00	*	206.50	258.09
8,000 - 8,499		0.09	3.03	2.56	4.09	2.94	10.87	11.86	1.95	1.51	4.04		24.61		34.00		17.33	20.76
8,500 - 8,999					3.77	1.18	8.70	5.08	1.70	0.56	7.07		16.92		40.00		18.00	9.32
9,000 - 9,499					3.55	2.47	10.87	5.09	1.66	1.05	7.07		16.92		36.00		17.02	9.32
9,500 - 9,999					11.84	3.88	8.69	6.78	4.94	1.62	12.12		13.85		22.00		15.05	5.93
10,000 - 10,999					2.26	2.82	19.57	16.95	1.33	1.46	14.14		21.54		26.00		19.19	11.86
11,000 - 11,999					3.12	1.64	15.22	15.25	1.58	1.03	16.16		20.00		36.00		22.14	4.66
12,000 - 12,999		0.09			3.01	1.76	13.04	1.69	1.49	0.70	5.05		20.00		22.00		13.53	6.78
13,000 - 13,999					1.72	1.76	6.52	6.78	0.83	0.87	6.06		15.38		24.00		13.16	7.63
14,000 - 14,999		0.09			1.08	0.59	2.17		0.48	0.22	7.07		9.23		18.00		10.38	3.81
15,000 - 15,999					0.75	0.59		1.70	0.30	0.26	4.04		3.08		14.00		6.21	2.97
16,000 - 16,999					1.08	0.82		1.70	0.43	0.35	2.02		7.69		4.00		4.13	6.78
17,000 - 17,999					0.75	0.59			0.30	0.22			3.08		2.00		1.38	6.78
18,000 - 18,999					0.75	0.23		1.70	0.30	0.13	4.04		9.23		2.00		5.03	2.97
19,000 - 19,999					0.32				0.13		4.04		1.54		4.00		3.30	1.27
20,000 - 21,999					0.22	0.12			0.09	0.04	2.02		3.08		6.00		3.30	3.39
22,000 - 23,999					0.22	0.23			0.09	0.09	2.02		1.54				1.38	0.43
24,000 - 25,999											1.01		1.54				0.91	
26,000 - 27,999																		
28,000 - 29,999																		
30,000 - 34,999																		
35,000 - 39,999																		
TOTAL	200.00	200.00	200.00	200.00	200.00	200.00	300.00	300.00	202.19	202.37	300.00	300.00	400.00	400.00	500.00		377.94	362.71

* NO AXLE CLASSIFICATION AVAILABLE ON COMBINATIONS

NUMBER OF AXLE LOADS OF VARIOUS MAGNITUDES PER 100 LOADS AND EMPTY TRUCKS AND COMBINATIONS OF EACH TYPE AT 17
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948 COMPARED TO CORRESPONDING DATA FOR 1947.

AXLE LOAD IN POUNDS	COMBINATIONS INVOLVING FULL TRAILERS								ALL COMBINATIONS		ALL TRUCKS AND COMBINATIONS	
	4-AXLE (OR LESS)		5-AXLE		6-AXLE (OR MORE)		ALL TRUCK- TRAILER COMBINATIONS					
	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947
UNDER - 8,000	258.82	*	253.85	*	261.76	*	258.16	258.00	226.78	258.03	189.70	200.68
8,000 - 8,499	14.71		38.46		79.41		37.21	40.00	25.13	26.97	4.76	4.78
8,500 - 8,999	10.30		23.08		38.24		20.72	19.00	19.07	12.45	3.81	2.08
9,000 - 9,499	5.88		15.38		20.59		12.14	19.00	15.11	12.45	3.29	2.51
9,500 - 9,999	13.24		30.77		41.18		24.99	38.00	18.95	16.29	6.64	3.50
10,000 - 10,999	10.30		28.21		44.12		23.60	33.00	20.92	18.69	3.70	3.67
11,000 - 11,999	5.88		12.82		50.00		18.66	15.00	20.77	8.00	3.91	1.88
12,000 - 12,999	8.82		5.13		14.70		9.25	15.00	11.85	9.43	2.74	1.87
13,000 - 13,999	8.82		12.82		17.65		12.10	4.00	12.74	6.46	2.27	1.55
14,000 - 14,999	1.47		17.95		23.53		11.48	4.00	10.81	3.87	1.73	0.74
15,000 - 15,999	8.82		25.64		5.88		12.77	5.00	8.79	3.63	1.33	0.69
16,000 - 16,999	25.00		28.20		2.94		20.46	7.00	10.54	6.85	1.66	1.17
17,000 - 17,999	17.65		7.69				10.54	4.00	4.98	5.88	0.87	0.94
18,000 - 18,999	7.35						3.50	2.00	4.43	2.66	0.80	0.46
19,000 - 19,999	2.94						1.40		2.55	0.86	0.42	0.12
20,000 - 21,999									2.00	2.29	0.32	0.33
22,000 - 23,999									0.84	0.29	0.18	0.11
24,000 - 25,999									0.55		0.07	
26,000 - 27,999												
28,000 - 29,999												
30,000 - 34,999												
35,000 - 39,999												
TOTAL	400.00		500.00	500.00	600.00		476.98	463.00	416.81	395.10	228.20	227.08

* NO AXLE CLASSIFICATION AVAILABLE ON COMBINATIONS

PERCENTAGE FREQUENCY DISTRIBUTION OF TOTAL WEIGHTS OF LOADED AND EMPTY TRUCKS AND COMBINATIONS EACH 10,000 POUNDS
AT 17 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948, COMPARED TO CORRESPONDING DATA FOR 1947.

TOTAL WEIGHT IN POUNDS	SINGLE-UNIT TRUCKS										TRACTOR-SEMITRAILER COMBINATIONS							
	PANEL AND PICKUP UNDER 1½ TON		OTHER 2-AXLE 4-TIRED		OTHER 2-AXLE 6-TIRED		3-AXLE		ALL SINGLE-UNIT TRUCKS		3-AXLE		4-AXLE		5-AXLE (OR MORE)		ALL TRACTOR- SEMITRAILER COMBINATIONS	
	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947
UNDER - 10,000	100.00	99.82	96.97	97.44	54.57	72.42	13.04	6.78	79.82	87.25	5.05	*	1.54	*		*	2.80	1.69
10,000 - 11,999			3.03		14.85	9.74	13.04	16.94	6.31	4.06	23.24						10.85	6.36
12,000 - 13,999					14.32	7.16	6.52	13.56	5.88	3.01	6.06		3.08				3.71	5.08
14,000 - 15,999		0.09			5.17	4.46	6.52	10.17	2.22	1.97	5.05		12.31				5.89	10.17
16,000 - 17,999					4.30	2.70	10.87	11.87	1.96	1.29	2.02		10.77		2.00		4.53	8.05
18,000 - 19,999		0.09			2.15	1.06	2.18	5.09	0.91	0.57	7.07				6.00		4.78	3.81
20,000 - 21,999					1.94	1.29	4.35	6.78	0.87	0.64	9.09						4.24	7.20
22,000 - 23,999				2.56	1.18	0.70	6.52	5.09	0.62	0.47	6.06				2.00		3.32	11.02
24,000 - 25,999					1.08	0.12	10.87	3.39	0.67	0.13	4.04		4.61				3.21	8.05
26,000 - 27,999					0.11	0.12	10.87	8.47	0.28	0.24	8.08		4.61		10.00		7.56	4.24
28,000 - 29,999					0.22	0.23	4.35	3.39	0.18	0.17	6.06		13.84				6.80	2.97
30,000 - 34,999					0.11		10.87	6.78	0.28	0.16	7.07		23.08		8.00		11.90	6.78
35,000 - 39,999								1.69		0.04	5.05		10.77		12.00		8.40	9.75
40,000 - 44,999											2.02		1.54		12.00		4.34	6.36
45,000 - 49,999											3.03		7.69		14.00		7.07	3.81
50,000 - 54,999											1.01		3.08		12.00		4.31	2.12
55,000 - 59,999													3.08		6.00		2.36	2.12
60,000 - 64,999															6.00		1.48	
65,000 - 69,999															4.00		0.98	
70,000 - 74,999															2.00		0.49	
75,000 - 79,999																		
80,000 - 84,999															2.00		0.49	
85,000 - 89,999																		
90,000 - 94,999															2.00		0.49	0.42
95,000 - 99,999																		
TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

* NO AXLE CLASSIFICATION AVAILABLE ON COMBINATIONS

PERCENTAGE FREQUENCY DISTRIBUTION OF TOTAL WEIGHTS LOADED AND EMPTY TRUCKS AND COMBINATIONS OF EACH TYPE
AT 17 LOADON STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948, COMPARED TO CORRESPONDING DATA FOR 1947.

TOTAL WEIGHT IN POUNDS	COMBINATIONS INVOLVING FULL TRAILERS								ALL COMBINATIONS		ALL TRUCKS AND COMBINATIONS	
	4-AXLE (OR LESS)		5-AXLE		6-AXLE (OR MORE)		ALL TRUCK- TRAILER COMBINATIONS					
	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947	1948	1947
UNDER - 10,000		*		*		*			1.70	1.14	70.35	75.93
10,000 - 11,999									6.59	4.31	6.34	4.09
12,000 - 13,999								1.00	2.25	3.76	5.44	3.11
14,000 - 15,999	20.59						9.80		7.42	6.89	2.85	2.62
16,000 - 17,999	16.18						7.70	1.00	5.77	5.77	2.42	1.88
18,000 - 19,999	8.83		2.57				4.92	1.00	4.84	2.90	1.39	0.88
20,000 - 21,999	4.41		23.08				8.51	5.00	5.92	6.49	1.48	1.41
22,000 - 23,999	4.41						2.10	4.00	2.84	8.75	0.89	1.56
24,000 - 25,999	2.94				2.94		2.12	11.00	2.78	9.00	0.93	1.30
26,000 - 27,999			2.56				0.71	5.00	4.87	4.49	0.84	0.80
28,000 - 29,999			7.69				2.14	5.00	4.97	3.63	0.76	0.62
30,000 - 34,999	7.35		10.26		11.77		9.25	17.00	10.86	10.08	1.56	1.46
35,000 - 39,999	7.35		17.95		14.71		12.11	7.00	9.86	8.86	1.20	1.20
40,000 - 44,999			5.13		2.94		2.15	9.00	3.48	7.21	0.42	0.95
45,000 - 49,999	5.88		2.56		11.77		6.41	10.00	6.81	5.81	0.83	0.76
50,000 - 54,999	2.94		10.26		29.41		11.49	13.00	7.13	5.63	0.86	0.74
55,000 - 59,999	11.77		2.56		5.88		7.76	5.00	4.48	3.05	0.54	0.40
60,000 - 64,999	7.35		2.56		8.82		6.38	2.00	3.40	0.65	0.41	0.08
65,000 - 69,999			10.26		2.94		3.57	2.00	2.00	0.65	0.24	0.08
70,000 - 74,999			2.56		5.88		2.16	2.00	1.15	0.65	0.14	0.09
75,000 - 79,999					2.94		0.72		0.28		0.03	
80,000 - 84,999									0.30		0.04	
85,000 - 89,999												
90,000 - 94,999									0.30	0.28	0.04	0.04
95,000 - 99,999												
TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

* NO AXLE CLASSIFICATION AVAILABLE ON COMBINATIONS

EXISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND COMBINATIONS WITH ONE OR MORE AXLES
WEIGHING 18,000 POUNDS OR MORE ALSO SINGLE-UNIT TRUCKS AND COMBINATIONS WEIGHING 13 TONS OR MORE AT 17
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948

STATION AT WHICH WEIGHED	VEHICLE TYPE DESIGNATION	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								
															AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP		
			A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXLE GROUP	PERCENT	
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	feet	feet	feet	feet	feet	feet									
7	3X20	31950	8550	7890	7200	4110	4200		14.3	4.7	17.2	4.7		40.9									
7	3003	30640	7650	5680	5150	5260	3900	3000	15.0	5.7	11.3	13.2	5.7	50.9									
7	3000	26140	3180	11560	11400				16.3	4.9				21.2									
7	3X20	38960	6850	8650	9370	7740	6350		13.3	4.7	17.2	4.7		39.9									
7	2X20	27530	6750	10600	5200	4980			11.3	15.1	4.3			30.7									
7	3X20	69050	9030	16180	15400	14240	14200		15.1	4.7	17.1	4.7		41.6						10.7	B-E	19.8	
7	3X20	41620	9400	9400	9250	6700	6870		13.4	4.7	23.9	5.7		47.7									
7	3X20	33590	8470	7700	7300	4820	5300		12.7	4.7	17.3	4.7		39.4									
7	2X10	35540	5350	15260	14930				12.0	15.2				27.2									
7	3002	37020	8850	8300	7800	5970	6100		16.3	4.7	11.1	13.9		46.0									
7	2X10	26620	6760	9680	10180				13.7	17.1				30.8									
7	3003	48210	8000	9850	9610	8160	6630	5960	13.9	4.3	14.2	13.3	4.3	50.0									
7	3002	39240	6830	9860	8290	7780	6480		14.7	4.3	11.3	15.7		46.0									
7	3003	54410	8230	11380	11000	9700	7740	6360	14.1	4.3	13.3	14.2	4.3	50.2									
7	3003	54480	8060	13490	9960	8570	7770	6630	13.9	4.3	14.2	13.3	4.3	50.0									
7	3002	41120	7460	10350	9270	7830	6210		14.2	4.9	13.7	16.4		49.2									
7	2X20	38200	8330	13450	8250	8170			12.3	17.1	4.3			33.7									
7	3X20	37940	6670	9560	8540	7190	5980		15.9	4.7	18.1	4.7		43.4									
7	2X10	26910	6510	11290	9110				13.3	17.9				31.2									
7	2002	35750	8350	9510	9050	8840			14.1	11.0	17.7			42.8									
7	2X10	29920	8500	11560	9860				14.3	17.1				31.4									
7	3003	71010	8390	14370	13980	14880	11070	8320	18.3	4.3	12.3	15.7	4.3	54.9							B-F	7.2	
9	3003	78290	8440	14680	14830	16820	11600	11920	18.3	4.3	12.3	15.7	4.3	54.9						8.9	B-F	19.6	
9	3X20	52830	8070	12050	13350	9280	10080		15.2	4.1	18.9	4.1		42.3									
9	2002	50480	7470	16040	13630	13340			14.3	11.1	13.1			38.5									
9	3003	60470	8370	10860	12910	10400	9100	8830	13.9	4.3	14.2	13.3	4.3	50.0									
9	2X20	35820	5150	10850	10200	9620			13.3	23.4	4.7			41.4									
9	2X20	34970	7570	16170	6270	4960			16.0	14.9		4.3		35.2									
9	2000	27880	3600	24280					14.8					14.8	34.9								
9	2000	23590	3970	19620					14.8					14.8	9.0								
9	2X10	36700	4240	18310	14150				13.8	15.1				28.9	1.7								
9	3000	26410	5090	11120	10200				15.5	7.1				22.6									
9	3X10	36800	7790	8420	8950	11640			15.2	4.7	16.1			36.0									
9	3X20	37220	7700	9340	8960	6230	4990		13.1	4.7	17.1	4.7		39.6									

NOTE: State law and A.A.S.H.O. recommendations are identical.

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND COMBINATIONS WITH ONE OR MORE AXLES
WEIGHING 18,000 POUNDS OR MORE ALSO SINGLE-UNIT TRUCKS AND COMBINATIONS WEIGHING 13 TONS OR MORE AT 17
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948

STATION AT WHICH WEIGHED	VEHICLE TYPE DESIGNATION	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								
															AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP		
			A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXLE GROUP	PERCENT	
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	feet	feet	feet	feet	feet	feet									
9	2002	57780	7610	17910	15410	16850			14.9	13.7	15.7			44.3									
9	3X20	38550	8090	10150	8090	6290	5930		12.7	4.3	18.2	4.7		39.9									
9	3000	30230	6510	11490	12230				13.7	4.9				18.6									
9	3003	30060	7670	5550	4760	4840	3770	3470	15.3	4.1	11.7	17.2	4.1	52.4									
11	3X20	54300	8300	11950	11350	12700	10000		15.3	4.7	18.7	4.7		43.4									
11	3003	53600	11600	13600	13100	6500	4500	4300	18.4	4.7	14.3	13.9	4.7	56.0									
11	3X20	70810	10000	15700	14350	15400	15360		16.9	4.9	24.5	4.9		51.2					2.5	B-E	8.6		
11	3003	39730	8450	9850	9260	4530	4010	3630	13.9	4.3	14.2	13.3	4.3	50.0									
11	2X10	35800	4000	15300	16500				12.7	18.3				31.0									
11	2X20	41950	7450	20100	7500	6900			15.7	18.0	4.3			38.0	11.7								
11	3002	51550	9350	11100	11000	10600	9500		17.0	4.7	11.2	15.7		48.6									
11	3X20	65250	9150	14200	13700	14500	13700		14.9	4.7	17.1	4.7		41.4					6.0	B-E	12.0		
11	3000	28900	7150	10950	10800				16.2	4.7				20.9									
11	3003	31450	8000	5850	5700	4300	3900	3700	16.1	4.3	11.7	15.7	4.3	52.1									
11	2000	25650	7350	18300					14.7					14.7	1.7								
11	2X20	38420	8550	11250	9580	9040			15.7	18.3	4.7			38.7									
11	2X20	61000	7200	17500	18100	18200			12.9	23.7	5.3			41.9		0.6	1.1				C-D	13.4	
13	3X20	27780	8170	5880	5290	4280	4160		15.8	4.7	21.4	4.7		46.6									
13	3X20	26850	7920	5870	4980	4220	3860		15.8	4.7	21.4	4.7		46.6									
13	3002	44840	8180	9910	10130	8200	8420		17.3	4.3	11.0	18.7		51.3									
13	2X20	53170	7930	18850	13490	12900			10.1	24.2	4.7			39.0	4.7								
13	3X20	30930	8930	6380	6040	5410	4170		15.8	4.7	21.4	4.7		46.6									
13	3002	27140	7550	6130	5570	4170	3720		17.3	4.3	11.1	17.9		50.6									
13	3002	41690	8360	8930	8400	8190	7810		17.3	4.3	11.1	17.7		50.4									
17	3000	33400	5380	14820	13200				13.2	4.3				17.5									
17	2000	28770	5490	23280					16.2					16.2	29.3								
17	3X20	81790	9050	16920	17360	18530	19930		14.9	4.5	24.7	4.5		48.6			2.9	10.7		20.9	B-E	29.9	
17	3003	64920	8650	13850	14160	10320	10070	7870	13.9	4.3	14.2	13.3	4.3	50.0									
17	3X20	46490	6600	11170	11260	9790	7670		15.3	4.7	19.3	4.7		44.0									
17	3X20	51300	7860	13540	12080	9060	8760		14.7	4.3	20.7	4.3		44.0									
17	3X20	53550	8090	13230	13570	9880	8780		14.3	4.7	19.7	4.7		43.4									
17	2X20	45230	8100	13360	12720	11050			15.9	18.1	4.7			38.7									
17	3X20	60980	9080	14750	14230	13170	9750		16.7	4.7	19.1	4.7		45.2							B-E	0.2	
17	3X20	62110	8670	15890	13940	12710	10900		16.7	4.5	20.3	4.5		46.0							B-E	3.2	

NOTE: State law and A.A.S.H.O. recommendations are identical.

EXISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND COMBINATIONS WITH ONE OR MORE AXLES
WEIGHT 18,000 POUNDS OR MORE ALSO SINGLE-UNIT TRUCKS AND COMBINATIONS WEIGHING 14 TONS OR MORE AT 17
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 1 TO AUGUST 31, 1948

STATION AT WHICH WEIGHED	VEHICLE TYPE DESIGNATION	TOTAL WEIGHT	AXLE LOADS						AXIE SPACING						PERCENTAGE OVER STATE LAW								
			A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	AXLE LOAD					GROSS WEIGHT	MAXIMUM AXIE GROUP		
															B	C	D	E	F		AXLE GROUP	PERCENT	
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	feet	feet	feet	feet	feet	feet									
17	3003	66550	8850	15930	14000	11870	8260	7640	13.9	4.3	14.2	13.3	4.3	50.0							B-F	0.2	
30	2002	60790	7270	18320	17500	17700			14.0	9.3	17.1			40.4	1.8						B-D	8.7	
30	2X10	46360	5160	22000	19200				11.3	17.7				29.0	22.2	6.7							
30	2X10	29020	4460	11460	13100				11.1	13.3				24.4									
30	2X10	36670	6430	15950	14290				11.3	17.4				28.7									
30	3X20	45030	8660	12450	9940	7850	6130		17.0	4.7	18.0	4.7		44.4									
30	2002	33530	6010	9950	9450	8120			13.1	9.7	16.3			39.1									
30	2002	34830	7870	10080	9120	7760			13.4	13.3	14.9			41.6									
30	2000	31350	7050	24300					13.1					13.1	35.0								
30	2X20	39300	7870	12280	10440	8710			13.7	18.0	4.3			36.0									
30	2X20	63660	12180	25600	13410	12470			13.9	19.7	4.7			38.3	42.2				7.5	B-D	8.4		
30	3002	40810	8420	9780	8160	7600	6850		18.1	4.7	12.3	18.3		53.4									
30	2X10	26010	5670	10380	9960				13.1	18.2				31.3									
30	2X10	26200	6090	10270	9840				13.1	18.2				31.3									
30	3X20	26020	8120	6160	4930	3620	3190		14.7	4.7	19.1	4.7		43.2									
30	3X20	26660	7740	6560	5190	3850	3320		16.0	4.7	19.1	4.7		44.5									
36	3002	36580	4520	9760	7800	7580	6920		14.3	4.1	9.7	16.1		44.2									
36	2X10	26290	4760	10550	10980				15.1	17.4				32.5									
36	2000	24760	5170	19590					14.1					14.1	8.8								
36	2X10	30910	4410	14520	11980				13.1	17.3				30.4									
36	2X10	31630	5470	13120	13040				14.3	17.7				32.0									
36	3X20	55880	7850	12420	13180	11320	11110		15.7	4.3	25.6	4.3		49.9									
36	3X20	56070	8280	12290	13840	10370	11290		13.2	4.7	21.9	4.7		44.5									
36	2X20	38290	6530	17710	6970	7080			12.7	24.0	4.3			41.0									
36	3000	31610	5690	12800	13120				12.0	4.7				16.7									
36	2000	24440	6080	18360					12.7					12.7	2.0								
36	3003	62100	6880	11560	12380	15570	7630	8080	13.9	4.3	14.2	13.3	4.3	50.0									
36	3X20	54620	8620	14200	14850	6620	10330		15.5	4.3	22.7	4.3		46.8									
36	3000	30130	4460	13520	12150				12.3	4.1				16.4									
36	2X20	54150	9390	23360	11530	9870			14.2	20.5	4.7			39.4	29.8								
36	2X10	47260	6400	19920	20940				13.3	13.1				26.4	10.7	16.3				B-C	2.2		
36	2X10	26490	4330	10860	11300				14.1	17.3				31.4									
36	2002	34150	6210	9870	9430	8640			16.1	9.7	15.1			40.9									
36	2002	47410	6810	15780	12560	12260			13.4	10.2	13.9			37.5									

NOTE: State law and A.A.S.H.Q. recommendations are identical.

STATE SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND COMBINATIONS WITH ONE OR MORE AXLES
WEIGHING 18,000 POUNDS OR MORE ALSO SINGLE-UNIT TRUCKS AND COMBINATIONS WEIGHING 13 TONS OR MORE AT 17
LOADMETER STATIONS DURING THE PERIOD FROM AUGUST 1 TO AUGUST 31, 1958

STATION AT WHICH WEIGHED	VEHICLE TYPE DESIGNATION	TOTAL WEIGHT	AXIE LOADS						AXIE SPACING						PERCENTAGE OVER STATE LAW								
															AXIE LOAD					GROSS WEIGHT	MAXIMUM AXIE GROUP		
			A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXIE GROUP	PERCEN	
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	feet	feet	feet	feet	feet	feet									
36	3002	56620	9200	16290	13650	9500	7980		20.1	4.7	14.3	16.5		55.6									
41	2X20	44460	7540	18500	10150	8270			16.1	19.1	4.7			39.9	2.8								
41	2X10	26000	5150	11560	9290				14.3	21.1				35.4									
41	2002	35040	6790	11350	8780	8120			14.9	10.1	12.9			37.9									
41	2002	55680	7660	19400	15990	12630			14.0	8.7	18.3			41.0	7.8								
41	2002	53220	8050	17680	15670	11820			14.9	9.3	16.1			40.3									
41	2X20	36110	6670	11540	9250	8650			13.5	14.7	4.1			32.3									
41	3003	32980	8140	6250	5840	5180	4180	3390	13.9	4.3	14.2	13.3	4.3	50.0									
41	2002	60650	8360	18060	16360	17870			14.7	11.1	17.1			42.9	0.3						B=D	2.6	
41	3X20	40290	8550	10760	9110	6460	5410		17.0	4.7	19.1	4.7		45.5									
41	2002	49050	7570	16360	13490	11630			17.1	9.7	16.1			42.9									
41	3003	41840	8870	11080	9820	4820	3840	3410	13.9	4.3	14.2	13.3	4.3	50.0									
41	3003	37810	8420	7860	6900	6190	4870	3570	13.9	4.3	14.2	13.3	4.3	50.0									
41	3003	37370	8350	7920	6610	6270	4480	3740	13.9	4.3	14.2	13.3	4.3	50.0									
41	3002	55540	8530	13850	12230	11320	9610		16.3	4.1	9.3	17.1		46.8									
41	2002	35980	7510	10820	9500	8150			16.1	10.3	15.4			41.8									
43	3003	48330	8750	10260	10630	7270	6150	5270	13.9	4.3	14.2	13.3	4.3	50.0									
43	3002	59130	7380	13650	14020	16250	7830		16.3	4.7	11.1	18.2		50.3									
43	3003	53960	8900	12670	11070	8610	6910	5800	13.9	4.3	14.2	13.3	4.3	50.0									
43	2X20	36180	6980	11590	9700	7910			14.3	18.2	4.7			37.2									
43	3X20	49900	7880	13770	11770	9010	7470		16.1	4.7	19.3	4.7		44.8									
43	3003	54430	8680	11950	9890	8210	8190	7510	13.9	4.3	14.2	13.3	4.3	50.0									
45	2X10	37780	7220	15990	14570				8.1	23.3				31.4									
45	2X10	30760	4860	14800	11100				11.4	14.7				26.1									
45	2X10	31220	5980	11610	13630				14.7	24.3				39.0									
45	2X20	33520	6000	9140	9950	8430			11.3	18.0	4.7			34.0									
45	2X20	34420	5480	9810	10720	8410			10.3	17.7	4.7			32.7									
45	2X20	26090	5690	7690	6600	6110			14.6	18.1	4.1			36.8									
50	2X20	58930	8870	19240	15400	15420			13.7	21.5	4.7			39.9	6.9						B=D	1.7	
50	3X20	58760	8640	12570	13410	11690			15.4	4.7	18.7	4.7		43.5									
50	2X20	34650	6710	12450	8140	7350			11.3	17.7	4.1			33.1									
50	2000	22800	3290	19510					13.7					13.7	8.4								
50	2000	21810	3000	18810					13.7					13.7	4.5								
50	2000	22000	2830	19170					13.7					13.7	6.5								

NOTE: State law and A.A.S.H.O. recommendations are identical.

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND COMBINATIONS WITH ONE OR MORE AXLES
WEIGHING 18,000 POUNDS OR MORE ALSO SINGLE-UNIT TRUCKS AND COMBINATIONS WEIGHING 13 TONS OR MORE AT 17
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 1, 1948

STATION AT WHICH WEIGHED	VEHICLE TYPE DESIGNATION	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								
															AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP		
			A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXLE GROUP	PERCENT	
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	feet	feet	feet	feet	feet	feet									
50	3X20	34800	8110	7670	8100	5680	5240		15.7	4.7	22.9	4.7		48.0									
50	2000	29810	7140	22670					13.7					13.7	25.9								
51	2X10	42680	4720	19550	18410				13.3	18.1				31.4	8.6	2.3							
51	2X20	52100	5250	14320	16450	16080			13.3	16.9	4.3			34.5							B-D	4.6	
51	3X10	34780	4880	9210	9240	11450			11.9	4.7	20.4			37.0									
51	3003	51990	8530	11350	10270	7950	7180	6710	13.9	4.3	14.2	13.3	4.3	50.0									
51	2X10	34740	4990	15050	14700				13.4	25.3				38.7									
51	2X20	27890	6460	10490	6030	4910			10.3	16.1	4.7			31.1									
51	2000	22840	4570	18270					14.7					14.7	1.5								
51	2002	57060	6820	17840	15860	16540			14.3	13.1	17.3			44.7									
51	2002	49240	7600	15700	13030	12910			16.3	10.1	17.1			43.5									
51	2X10	29880	4900	13890	11090				11.3	17.3				28.6									
51	2X10	28530	2750	12560	13220				13.9	16.3				30.2									
51	2000	24520	3650	20870					13.4					13.4	15.9								
51	3003	38650	8250	7580	6200	6100	5610	4910	13.9	4.3	14.2	13.3	4.3	50.0									
51	3002	44810	6360	10450	10150	9550	8300		16.3	4.7	13.7	18.1		52.8									
53	2X20	37780	7860	12000	9860	8060			16.3	19.1	4.7			40.1									
53	3003	49780	8620	10580	9780	7780	6860	6160	13.9	4.3	14.2	13.3	4.3	50.0									
54	3002	29850	8490	6180	5620	4980	4580		18.3	4.7	14.7	18.7		56.4									
54	2000	23140	4840	18300					13.3					13.3	1.7								
54	2000	24500	5220	19280					14.7					14.7	7.1								
54	2X20	32660	7800	12340	7140	5380			14.3	19.3	4.3			37.9									
54	2000	23200	4600	18600					13.3					13.3	3.3								
54	3X20	40420	8280	9900	10500	6540	5200		13.7	4.7	19.1	4.7		42.2									
54	3002	28580	7300	6270	5690	4940	4380		16.3	4.3	13.1	18.7		52.4									
54	2X20	35580	6200	12460	8640	8280			13.3	17.3	4.7			35.3									
54	2000	24020	5160	18860					14.2					14.2	4.8								
54	3002	74320	9500	14980	15200	17500	17140		18.7	4.7	11.3	17.9		52.6					5.4	B-E	15.8		
54	2X10	51840	6120	24600	21120				14.7	18.3				33.0	36.7	17.3					B-C	8.7	
54	3000	26900	6560	9940	10400				15.3	4.7				20.0									
54	3X20	50570	8230	11260	11640	10410	9030		16.3	4.7	21.7	4.7		47.4									
54	2X20	57550	8330	18400	15960	14860			13.9	17.3	4.3			35.5	2.2						B-D	7.7	
54	3003	70940	8660	14240	13500	13060	11160	10320	13.9	4.3	14.2	13.3	4.3	50.0						3.8	B-F	8.1	
54	2002	59920	8680	17920	16140	17180			17.1	9.3	16.3			42.7							B-D	4.1	

NOTE: State law and A.A.S.H.O. recommendations are identical.

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND COMBINATIONS WITH ONE OR MORE AXLES
WEIGHING 18,000 POUNDS OR MORE ALSO SINGLE-UNIT TRUCKS AND COMBINATIONS WEIGHING 13 TONS OR MORE AT 17
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 1 TO AUGUST 31, 1948

STATION AT WHICH WEIGHED	VEHICLE TYPE DESIGNATION	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								
															AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP		
			A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXLE GROUP	PERCENT	
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	feet	feet	feet	feet	feet	feet									
54	3000	26720	4200	10540	11980				14.1	4.7				18.8									
54	2002	60160	9500	17900	16300	16460			17.3	11.1	18.3			46.7									
54	3002	76100	9620	16260	16080	17260	16880		17.1	4.7	13.3	17.1		52.2						9.0	B-E	17.0	
54	2X20	40200	7700	14100	9600	8800			15.1	18.2	4.3			37.6									
54	2X20	54080	8700	18500	13420	13460			15.1	18.2	4.3			37.6	2.8								
54	3002	70880	8260	15320	16180	15760	15360		16.3	5.3	14.7	17.3		53.6							B-E	7.2	
54	2002	56650	7350	16620	15960	16720			16.7	10.3	13.7			40.7							B-D	3.9	
54	2002	59300	7660	18680	16020	16940			14.3	12.1	18.2			44.6	3.8								
54	2002	58620	8500	17260	16180	16680			17.0	9.1	16.7			42.8							B-D	1.8	
54	3X20	48110	9630	11500	10890	8680	7410		16.1	4.3	19.7	4.3		44.4									
54	2002	36740	8090	10470	9520	8660			17.1	10.3	16.7			44.1									
54	3X20	45860	8330	11080	10120	8850	7480		16.0	4.7	19.1	4.7		44.5									
55	3X20	41600	9200	11510	11150	5790	3950		13.3	4.7	17.1	4.3		39.4									
55	3000	29240	8870	12150	8220				12.3	4.7				17.0									
55	3000	27620	5460	10780	11380				11.7	6.1				17.8									
55	2X20	31010	7390	14210	4610	4800			10.3	17.1	4.7			32.1									
55	2002	62920	10860	17670	15220	19170			13.3	11.0	18.1			42.4						0.9	A-D	0.9	
55	2002	63100	11490	18180	16200	17230			13.3	11.2	18.4			42.9	1.0								
55	2X20	50980	10830	21680	8790	9680			12.3	18.7	5.3			36.3	20.4								
55	2X10	47090	5400	22400	19290				13.3	18.9				32.2	24.4	7.2							
55	2X10	43210	6300	18190	18720				13.2	15.1				28.3	1.0	4.0							
55	3003	58010	7240	11550	12110	9810	7530	9770	13.9	4.3	14.2	13.3	4.3	50.0									
55	3X20	60390	9020	15270	15240	11090	9770		14.2	4.7	20.1	4.7		43.7									
55	3003	50630	7980	9860	11410	9930	6190	5260	13.9	4.3	14.2	13.3	4.2	49.9									
56	2X20	42660	5160	13490	12650	11360			11.9	19.9	4.7			36.5									
56	2X10	26030	4280	10080	11670				11.7	11.7				23.4									
56	3003	51990	9190	10480	10730	10880	4630	6080	13.9	4.3	14.2	13.3	4.3	50.0									
56	2000	24360	4860	19500					14.4					14.4	8.3								
56	3002	63740	4770	14430	15290	15650	13600		15.9	4.7	13.1	20.2		53.9									
56	3X20	38600	7510	8170	8520	7730	6670		16.9	5.7	21.7	5.7		50.0									
56	3003	50080	7150	11030	9650	8430	7690		13.9	4.3	14.2	13.3	4.3	50.0									
56	2X20	39930	6340	12930	9110	11550			12.1	18.7	5.3			36.1									
56	2X20	40490	7860	8880	10690	13060			15.3	18.0	4.7			38.0									
56	2X20	34040	6480	11720	6910	8930			16.3	19.0	4.7			40.0									

NOTE: State law and A.A.S.H.O. recommendations are identical.

TESTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND COMBINATIONS WITH ONE OR MORE AXLES
WEIGHING 18,000 POUNDS OR MORE ALSO SINGLE-UNIT TRUCKS AND COMBINATIONS WEIGHING 13 TONS OR MORE AT 17
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 4 TO AUGUST 31, 1948

STATION AT WHICH WEIGHED	VEHICLE TYPE DESIGNATION	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW									
															AXIE LOAD					GROSS WEIGHT	MAXIMUM AXIE GROUP			
			A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXIE GROUP	PERCENT		
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	feet	feet	feet	feet	feet	feet										
56	3002	48910	7870	11480	10730	10000	8830		16.3	4.7	14.1	18.2		53.3										
56	2X10	31760	8480	11870	11410				14.3	18.3				32.6										
56	3X20	44000	7560	11300	9580	7980	7580		17.1	4.7	21.2	4.7		47.7										
56	2002	34450	7230	9960	9130	8130			17.1	11.9	18.2			47.2										
57	2X10	31310	8160	11780	11370				16.3	18.1				34.4										
57	3X20	27700	7460	6560	6100	3620	3960		14.1	4.7	17.3	4.7		40.8										
57	2X20	36120	7360	14600	5820	8340			11.0	17.3	4.7			33.0										
57	2X20	39190	8100	12050	11040	8000			16.7	19.1	4.7			40.5										
57	3X20	46440	8210	11240	8450	9680	8860		17.0	4.7	18.3	4.7		44.7										
57	2002	34200	7810	9980	8650	7760			17.1	9.3	18.3			44.7										
57	3003	38800	8430	8100	7530	6120	4950	3670	13.9	4.3	14.2	13.8	4.3	50.5										
57	2002	36180	8270	10280	9500	8130			16.1	10.3	17.3			43.7										
57	3003	48740	9460	10180	9810	7970	6160	5160	13.9	4.3	14.2	13.3	4.3	50.0										
57	2X20	30200	6740	9610	7710	6140			16.1	19.1	4.1			39.3										
57	2X20	39810	8330	12030	10380	9070			14.7	18.0	4.7			37.4										
57	3X20	49060	8730	12220	11440	8760	7910		16.0	4.7	19.1	4.7		44.5										
57	3002	43600	8250	11930	8710	7830	6880		16.1	4.7	10.9	18.1		49.8										
57	3X20	35490	7780	8760	7570	6570	4810		14.6	4.3	17.1	4.3		40.3										
57	3003	58490	9160	12410	11260	9420	8170	8070	13.9	4.3	14.2	13.3	4.3	50.0										
57	3X20	40690	9110	9730	8150	7260	6440		16.1	4.7	18.3	4.7		43.8										
57	3002	36480	6460	9100	8230	6860	5830		16.1	4.3	10.7	17.0		48.1										
59	3003	52780	8330	10270	9610	9180	8120	7270	17.7	4.7	11.4	16.5	4.7	55.0										
59	2X20	43370	5410	14650	10710	12600			10.9	19.3	4.7			34.9										
59	3X20	93290	10270	20770	21600	19200	21450		17.7	5.1	27.0	5.1		54.9	15.4	20.0	6.7	19.2		29.8	B-E		42.1	
59	2X20	36480	6390	11380	10150	8560			10.3	18.3	4.3			32.9										
60	3002	69950	8590	14570	14390	16280	16120		17.1	4.7	15.9	17.9		55.6								B-E		2.2
60	2X20	40810	4870	13840	11460	10640			12.3	12.7	4.1			29.1										
60	3002	29620	7880	6200	5920	5310	4310		17.1	4.7	15.9	17.9		55.6										
60	3002	58460	8930	16560	16250	10520	6200		19.9	4.7	14.3	16.3		55.2										
60	2002	55580	9450	18220	13240	14670			15.7	13.3	17.4			46.4	1.2									
60	3002	70440	8410	15390	14600	15230	16810		16.3	4.7	12.1	16.7		49.8						3.0	B-E		10.8	
60	3000	30870	6670	11710	12490				16.3	4.7				21.0										
60	2X20	33970	6750	10280	9230	7710			14.3	17.0	4.1			35.4										
60	2X10	28500	5130	12330	11040				15.1	17.3				32.4										

NOTE: State law and A.A.S.H.O. recommendations are identical.

TESTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND COMBINATIONS WITH ONE OR MORE AXLES
WEIGHT 18,000 POUNDS OR MORE ALSO SINGLE-UNIT TRUCKS AND COMBINATIONS WEIGHING 13 TONS OR MORE AT
LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 14 TO AUGUST 31, 1948

STATION AT WHICH WEIGHED	VEHICLE TYPE DESIGNATION	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW							
															AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP	
			A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXLE GROUP	PERCENT
		lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	feet	feet	feet	feet	feet	feet								
60	2X10	28580	5350	12630	10600				15.1	17.3				32.4								
60	3002	44710	6740	9880	9120	9330	9640		16.1	4.7	11.3	17.3		49.4								
60	3002	66650	8630	14370	14470	15670	13510		17.1	4.7	15.9	17.9		55.6								
60	3002	48700	6710	10090	10520	11080	10300		15.7	4.3	11.3	17.4		48.7								
60	2002	45020	6750	13560	12250	12460			17.1	11.3	16.0			44.4								

NOTE: State law and A.A.S.H.O. recommendations are identical.

All trucks designated 2000 are dual-tired



LEGEND

NO. 1 FEDERAL AID PRIMARY ROUTE AND NUMBER

NO. 2 FEDERAL AID SECONDARY ROUTE AND NUMBER

20 LOADOMETER STATION

9 - Scales in
5 - Built with Fed. Aid.

MAP OF
MONTANA
SHOWING
LOCATION OF LOADOMETER STATIONS
PREPARED BY
STATE HIGHWAY PLANNING SURVEY
IN COOPERATION WITH
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

